

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**Attorney Docket No. **20-020/000432-805**First Inventor or Application Identifier **SAITO**Title **SINGLE SUBSTRATE HYDROGEN AND MICROWAVE  
ABSORBER FOR INTEGRATED MICROWAVE ASSEMBLY  
AND METHOD OF MANUFACTURING SAME**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Commissioner for Patents  
Mail Stop Patent Application  
Alexandria, VA 22313-1450

1. ☒ \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Specification [Total Pages **22**]

-Descriptive title of the Invention

-Cross Reference to Related Applications

-Background of the Invention

-Summary of the Invention

-Brief Description of the Drawings

-Detailed Description of the Preferred Embodiment

-Claims

-Abstract of the Disclosure

3. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **4**]
4. Oath or Declaration [Total Sheets **3**]
- a. ☒ Newly executed (original or copy)
- b. ☐ Copy from a prior application (37 C.F.R. § 1.63 (d))  
(for continuation/divisional with Box 16 completed)
- i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

\*NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY  
FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT  
IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28)

5. ☐ Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a. ☐ Computer Readable Copy
- b. ☐ Paper Copy (identical to computer copy)
- c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☒ Assignment Papers (cover sheet & document(s))  
Assignee: **Northrop Grumman Corporation**
8. ☐ 37 C.F.R. § 3.73(b)  
Statement (when there is an assignee) ☐ Power of Attorney
9. ☐ English Translation Document (if applicable)
10. ☒ Information Disclosure  
Statement (IDS)/PTO-1449 ☐ Copies of IDS  
Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(should be specifically itemized)
13. ☐ \*Small Entity  
Statement(s) ☐ Statement filed in prior application,  
(PTO/SB/09-12) Status still proper and desired
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☐ Other: .....

16. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment:
- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_

Prior application information: Examiner: \_\_\_\_\_

Group/Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label**23400**

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

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**DAVID G. POSZ**

Registration No. (Attorney/Agent)

**37,701**

Signature

Date

**December 2, 2003**

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(\$) 864

## Complete if Known

Application Number

Filing Date

December 2, 2003

First Named Inventor

SAITO

Examiner Name

Art Unit

Attorney Docket No.

20-020/000432-805

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit AccountDeposit  
Account  
Number

50-1147

Deposit  
Account  
Name

POSZ &amp; BETHARDS, PLC

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code Fee (\$)

Fee Code Fee (\$)

Fee Description

Fee Paid

1051 130 2051 65

Surcharge - late filing fee or oath

1052 50 2052 25

Surcharge - late provisional filing fee or cover sheet

1053 130 1053 130

Non-English specification

1812 2,520 1812 2,520

For filing a request for *ex parte* reexamination

1804 920\* 1804 920\*

Requesting publication of SIR prior to Examiner action

1805 1,840\* 1805 1,840\*

Requesting publication of SIR after Examiner action

1251 110 2251 55

Extension for reply within first month

1252 420 2252 210

Extension for reply within second month

1253 950 2253 475

Extension for reply within third month

1254 1,480 2254 740

Extension for reply within fourth month

1255 2,010 2255 1005

Extension for reply within fifth month

1401 330 2401 165

Notice of Appeal

1402 330 2402 165

Filing a brief in support of an appeal

1403 290 2403 145

Request for oral hearing

1451 1,510 1451 1,510

Petition to institute a public use proceeding

1452 110 2452 55

Petition to revive - unavoidable

1453 1,330 2453 665

Petition to revive - unintentional

1501 1,330 2501 665

Utility issue fee (or reissue)

1502 480 2502 240

Design issue fee

1503 640 2503 320

Plant issue fee

1460 130 1460 130

Petitions to the Commissioner

1807 50 1807 50

Processing fee under 37 CFR 1.17(q)

1806 180 1806 180

Submission of Information Disclosure Stmt

8021 40 8021 40

Recording each patent assignment per property (times number of properties)

1809 770 2809 385

Filing a submission after final rejection (37 CFR § 1.129(a))

1810 770 2810 385

For each additional invention to be examined (37 CFR § 1.129(b))

1801 770 2801 385

Request for Continued Examination (RCE)

1802 900 1802 900

Request for expedited examination of a design application

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1001	770	2001	385
1002	340	2002	170
1003	530	2003	265
1004	770	2004	385
1005	160	2005	80

SUBTOTAL (1) (\$) 770

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
23	-20**= 3	X 18	= 54
Independent Claims	3	-3**= 0	X 86
Multiple Dependent			

Large Entity		Small Entity		<u>Fee Description</u>
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Indepe ndent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 54

\*\* or number previously paid, if greater; For Reissues, see above

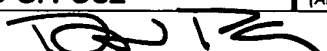
Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$) 40

## SUBMITTED BY

Name (Print/Type)	DAVID G. POSZ	Registration No. (Attorney/Agent)	37,701	Telephone	(703) 707-9110
Signature				Date	December 2, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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